

How Hookworm Disease Keeps Students From Doing Good Work

ONE of the many evil effects of hookworm disease is that it reduces mental as well as physical vigor. In schools the students who have the disease are always backward as compared with the healthy students. This has been proved in many instances and may be seen in any school where there are infected pupils.

In a college in Mississippi 625 students were examined microscopically, and the results showed that in every instance the ones infected with hookworms were behind their schoolmates both in their studies and in athletics.



EFFECTS OF THE DISEASE.

The three boys pictured above are of about the same age. The tallest one in the center is seventeen years old and weighs 160 pounds. Although living in a community where many suffered, he had no hookworm infection. The boy in the dark suit is eighteen years old and weighs 120 pounds. He is infected with the disease. The other boy is also eighteen, but he weighs only a hundred pounds and has the appearance of a thirteen-year-old youngster. He is heavily infected with hookworms.

In fact, only one athlete was infected at all. Of the 144 officers of the student body, places won by superior attainments, only five were infected. Twenty-five men, each five feet ten inches tall, who were noninfected averaged 156 pounds in weight. Twenty-five infected men of the same height weighed an average of only 147 pounds.

In scholarship, among twenty-five noninfected students, five made an average grade of 90 and above, eleven made 85, five made 80, three made 75, and one made 65. Thus sixteen of the twenty-five made an average grade of above 85. Among twenty-five infected students none made 90, only two made 85, three made 80, eleven made 75, and nine made below 75. Thus only two of the infected students were able to reach the grade that was surpassed by sixteen of the noninfected students, all being college men from the same state and living under substantially the same circumstances.

This is proof of the evil effect of hookworm disease on mental development.

In another school in the same state the average grade of twenty-five lightly

infected men and boys was 80, and of the fifty-five noninfected men and boys it was 84.

The same thing holds true in the case of girls. In one girls' college where all the students were examined many infected persons were found. There were two sisters in the school, one of whom was infected and the other not. The infected sister had a grade of 78, while her sister had a grade of 87. The infected sister is forced to devote two years to each year's course, while her sister goes on.

Fifty-six infected girls in this school had an average grade of 77.75, while

ents, for example:

Cora Wilson Stewart has won national fame by her very efficient service as superintendent of Rowan County schools.

The great schools of Chicago are ably managed by Mrs. Ella Flagg Young.

Mary Lyon, like the undersigned, was a poor mountain girl. She struggled against great odds to secure an education but succeeded and became the founder of Mt. Holyoke Seminary which made possible for the first time in the history of the world a general, liberal education for girls.

Having taught in the public schools of Jackson County seven years, at Burning Springs in Clay County eight months and in the Foundation Schools of Berea College, two terms, I feel that I could serve my county efficiently in the office of Superintendent.

So, in response to many requests, I hereby announce my candidacy for the office of County Superintendent of Schools of Jackson County, and I ask all friends of education to fall in line and unite irrespective of party in my support, thus securing a Superintendent of Schools, who is a promoter of education rather than a politician.

Anna Powell.

McKEE

McKee, Nov. 4.—E. H. Fitch, who was billed to speak here in the behalf of the Republican party last Saturday did not come.—Judge J. W. Mullins moved to his farm on Pond Creek last week. L. C. Little moved into the house left vacant by him.—Miss Walvoord and Miss Ische of Annville were visiting here last Friday night and Saturday.—Mrs. James Tineher, Miss Emma Sparks and Miss Perrine will attend the State Convention of the Kings' Daughters in Louisville this week.—Mrs. D. G. Collier was visiting at Annville and

Whorter of this place, last Saturday.—M. H. Hornsby was at Big Hill and Berea a few days last week on business.—Mrs. Martha Hurst is visiting friends at Chestnutburg.—Several people from here attended church at Mt. Guilford, Sunday.—Mrs. Wm. Neely of Ethel is reported very sick with typhoid fever.

ANNVILLE

Annville, Oct. 28.—The fall season continues nice and warm.—Mr. and Mrs. O. M. Rader and children, who have been visiting friends and relatives here for the last two weeks returned to their home at Paris, Monday.—Mr. and Mrs. W. A. Worthington, Mr. Crockett Cunagin and Mrs. J. S. Allen, from New York, are visiting in Hindman this week. They drove from here, so they could have the pleasure of seeing the mountain scenery.—The Misses Mattie and Pearl Medlock attended the revival on Moores Creek, Sunday, and took dinner with the Misses Lizzie and Sallie Little.—Miss Mollie Johnston visited her cousin, Mrs. L. C. Little, Friday night and Saturday, and attended the revival that was going on at Conway church.—Mrs. Sudie Abrams and her husband visited her father, H. L. Roark, Saturday and Sunday.—Chester Jones, from Tynes, attended Christian Endeavor here, Sunday night.—The school at Lincoln Hall Academy is progressing nicely. There are about 125 in attendance and we now have four teachers. Miss Walvoord is Principal and the Misses Ische and Mayskens, Primary and 8th grade teachers. Miss Zwerner has charge of the 4th and 5th grades and vocal music.

MADISON COUNTY

KINGSTON

Kingston, Nov. 4.—The Misses Lydia Young, Fairy Settle and Leona Webb spent Thursday night with the Misses Planery.—Miss Ethel Lawson who has

ISN'T IT SO?

The Gospel is not a message of rescue but of salvation. Rescue and saving are different things. It is necessary to pull a man out of a wreck but how much better to teach him to swim that he may get himself out of danger. What we want is more navigation laws, not life-lines. The Good Samaritan did well but what we need is better police protection. It is not enough to take people out of the slums, we must cleanse the slums, we must turn our better civilization into them. Rescue is fundamentally a social matter and a popular thing. The church has reached out and established hospitals, and carried over into the unevangelized world the instruments of Christianity, and is finding out that the question is not so much to save from hell but to lead people to Jesus Christ.

Weichburg last Thursday and Friday.—Haloween passed very quietly here, only a few tricks being played. There were three parties, one of which was given by the Christian Endeavor Society. They were all successful.

TYNER

Tyner, Oct. 27.—Mrs. Margaret Hamilton, who has been staying with her son, W. N. Riggs of Livingston, for the last six months, has returned home.—Mrs. Lizzie Peters of Blake has been visiting her parents, Mr. and Mrs. G. W. Moore, the past week.—Born to Mr. and Mrs. Grant Hamilton, a baby girl, on the 19th. Her name is Anna May.—W. R. Rader is all smiles over the arrival of a girl baby in his home, Sunday evening.—Mr. and Mrs. W. R. Reynolds visited in McWhorter, Saturday and Sunday.—Mrs. Lottie Moore and family have returned to Louisville.—W. R. Reynolds has recently purchased a hay press for \$350.—G. W. Moore is confined to his room with rheumatism.—W. M. Vaughn visited in lower Annville, Sunday.—W. B. Bullock of Booneville stopped over night with his brother, T. P. Bullock, while enroute to London to visit his daughter, Mrs. Pigg.—Mr. Crit Gentry of Island City purchased two wagon beds from W. R. Reynolds last week.

NATHANTON

Nathanton, Nov. 2.—Elizabeth and George Hornsby are planning to enter the winter term of school at Berea.—Mrs. Thomas Caudill and daughter, Mrs. James Wells, have returned from an extended visit with friends in Leslie County.—Married, Arthur Bond of High Knob and Mary S. Mc-

been spending several months with relatives in St. Paul, Ind., returned home, Monday.—Mrs. James Mufray, left, Thursday, for Clay County, where she will visit relatives for the next few weeks.—Dr. F. Eakins and Chas. Powell made a business trip to Richmond, Thursday.—Mrs. Ella Stivers and Mrs. Nannie Lamb were shopping in Richmond, Wednesday.—Mrs. Author Riddle is spending the week with her sister, Mrs. Sunny White at Lowell.—Mr. and Mrs. L. C. Powell of Big Hill spent the first of the week with the former's parents at this place.—Evan Adams, who has been employed by the Railroad Company, of Whitesburg for the past four months returned home, Saturday.—Miss Verna Parks spent Sunday with Miss Suda Powell.—Mrs. Geo. Moody is very sick with lagrippe.—Rev. D. L. Brandenburg will preach at this place next Saturday evening at 7 p. m. and Sunday at 11 a. m. and 7 p. m.—The Misses Anna and Grace Roberts were shopping in Richmond, Monday.

BLUE LICK

Blue Lick, Nov. 4.—S. F. Johnson is erecting a new stock barn.—Little Vester Evans has returned from the Gibson Infirmary much improved.—E. F. Harris has been seriously ill the past week.—Miss Grace Roberts left, Saturday, for an extended visit with her sister, Mrs. Wm. Clark, in Montana.—Arthur M. Flanery who is employed as assistant state dairyman at Raleigh, N. C., visited his parents, Mr. and Mrs. T. J. Flanery, from Wednesday until Saturday.—John Flanery left, Friday, for Raleigh.

GO TO

Settle's and Haley's Big Store
at Big Hill, Ky.

See It Jam Full of Nice Dry Goods, Notions, Hardware, Tinware, Clothing, Shoes, Hats, Caps, Flour, Meal, Lard and All Kinds of Groceries. See their Very Low Prices!

N. C., where he has secured employment.—Miss Maud Johnson entertained quite a number of her friends at a social, Saturday night. Many different kinds of games were played, after which refreshments were served, all having a good time.

SILVER CREEK

Silver Creek, Nov. 3.—Rev. Brookshire filled his regular appointment at Silver Creek, Saturday and Sunday.—Miss Iva Anderson has been visiting her sister, Mrs. Jessie Moore.—Tobe Todd spent Sunday with his brother, Ras Todd.—Miss Mary Willie and Wallace House of Richmond have been visiting their grandparents, Mr. and Mrs. G. E. Anderson.—Scott Lamb died at his home in Berea, Saturday evening, and was buried at the Silver Creek grave yard, Sunday evening. He leaves a wife and six children.—Wistard Johnson spent Sunday with his mother and father, W. A. Johnson.—Jno. Jones spent Saturday night with his sister in Richmond, Mrs. Tom Daniels, who is very sick.—Joe Lewis and W. A. Johnson are reconstructing the Berea and Big Hill pike. It is about completed and will make traveling much better this winter than last.—Mr. and Mrs. Jesse Moore and daughter and Mr. and Mrs. Jesse Vaughn and little son spent Saturday and Sunday with their mother and father, Mr. and Mrs. G. E. Anderson.—Prayer meeting is still held at Silver Creek every Wednesday night. The attendance is good and we hope all will continue to come and take part.

BIG HILL

Big Hill, Nov. 4.—Every one here is busy talking about the election which comes off tomorrow.—Wash Lakes has sold his farm to E. E. Brockman, and bought Mr. Lamb's place nearby.—Enos Parker has moved to the Lakes' place.—Lincoln Castle has moved to the place vacated by Enos Parker.—E. E. Brockman expects to move, this week, to his farm recently bought from Sherman Settle.—Sherman Hurley's wife is seriously ill with muscular rheumatism.—Mrs. Kate Green and Dora Lewis spent last Sunday with Mrs. Green's daughter, Mrs. T. Chastain.—James Withers gave a social last Saturday night to the young folks near his home, which they greatly enjoyed.—School here is progressing nicely. The attendance is fine for this time of year.—Jessie Neely whose improvement was reported is worse again.—Mrs. James Hazelwood visited her two daughters at Big Hill, Saturday and Sunday, Mrs. Walter and Mrs. Forest Asbury.—Mrs. Wm. Haley's mother from Paint Lick was out to see her, Saturday.

OWSLEYCOUNTY

COW CREEK

Cow Creek, Oct. 26.—The weather has been very cold within the past week with frosts.—W. T. Stafford, candidate for congress of the 10th District on the Progressive ticket, spoke here, Thursday afternoon, to a small crowd. J. W. Langley, his opponent, will get the largest number of the votes here.—Will Gabbard, Bob Baker and some others returned home from Winchester, Saturday, where they had been working in the fodder fields.—Wm. Reynolds and family, who have been making their home in Montana for the past two years, returned to their old home on Indian Creek last Saturday night and will make their home there.—Miss Nettie McGaffick was called to Pennsylvania, recently, by the sudden death of her brother, Howard.—Mrs. Rachel Reynolds of Cow Creek visited C. B. Gabbard's home last Monday.—Miss Mae Minter and brother visited relatives and friends on Cow Creek, Saturday and Sunday.—Misses Mattie Seale and Sue Bowman of Booneville visited their sister, Mrs. Rose Gabbard, Saturday night and Sunday.—The funeral sermon of Mrs. Lizzie Moore will be preached at Esau the first Sunday in November by Revs. Isaac Gabbard and L. C. Roberts.—Bro. Roberts, pastor of the Missionary Baptist church at Grassy Branch, filled his regular appointment last Saturday and Sunday. Three persons were baptized Saturday afternoon and given the right hand of fellowship into the church.—S. A. Gabbard was at Beattyville one day last week on business.—Gilbert Reynolds of McWhorter, Laurel County, is visiting his many friends and relatives here and at other points.—G. L. Griffin of St. Helena, Ky., representing the W. T. Rawleigh Medicine Company of Freeport, Ill., was here this week calling on our citizens.—Jas. R. Gabbard and Ralph Minter attended church at Athens, Saturday and Sunday.—Mr. and Mrs. J. L. Gabbard spent Saturday night and Sunday with their son, Henry.

POSEY

Posey, Oct. 28.—The graded school is progressing nicely with the Misses Elizabeth Scovill, Nell Johnston and Mr. T. W. Skinner as teachers. The attendance has been splendid except for a few foddering weeks.—Doc McPherson thinks it is time people are getting ready for winter. One

day last week he had five men helping him open a new mine and raising coal, and has notified the people that he can supply them with coal.—Mrs. Rebecca Hamilton is visiting her father, Wm. Bonds.—Mr. Gilbert Reynolds of McWhorter passed thru here, Sunday, and paid some of his friends and relatives a short visit.—Dillard Bond, little son of Robert Bond, has typhoid.—The graded school at Vincent is advancing nicely with D. W. Mainous and O. J. Judd as teachers.—R. D. Hale and family have returned from Ohio, where they have been living for the past year.—Rev. Harve Johnson, the new pastor of the Booneville charge, filled his regular appointment at Clifty church.—Harve Price, Sr., and bride, nee Miss Cora Chestnut, attended church at Clifty.—The Literary Society at the graded school is progressing nicely.—Mrs. George Mainous is suffering a great deal with muscular rheumatism.—Mrs. Jeremiah Hydon, with her son and daughter have returned to their old home after a year's absence.—We are sorry to learn of so much typhoid being in Booneville, which has caused the death of little Lucile Hogg and Miss Isabel Goodman.

EARNSTVILLE

Earnstville, Oct. 28.—We have had several light frosts but only three severe ones.—Everybody is hustling around trying to get coal in for winter.—Some farmers are gathering corn, which seems to be very early.—Most farmers have dug their Irish and sweet potatoes. Irish potatoes are extra good, but sweet potatoes are not so good.—S. A. Caudill has found and opened a good coal bank on his farm.—D. G. Brandenburg, a good citizen of this place and a member of the Masonic and I. O. O. F. orders of Travelers Rest, died and was buried under the fraternity ceremonies of both orders. He leaves a wife and five children to mourn his loss. We extend our heartfelt sympathy to the bereaved ones.—Joe Childers and wife, Nettie, Harlan and Maud Ward of Midway, Ky., are visiting relatives at this place. They expect to return home, Wednesday.—Richard Ward and Joe Childers are going to Booneville today on business.—Aunt Cella Ward, age 84, has been very ill for several days, but is improving.—Richard Ward was blessed with a ten pound boy, Thursday night.

ROCKCASTLE COUNTY

ORLANDO

Orlando, Nov. 2.—Miss Lella Owens left, Sunday, for a three weeks visit at Norton, Va.—Saturday and Sunday are regular church days at Maple Grove. Preaching by Rev. Dillard Parker.—Sunday School at Maple Grove is progressing nicely with Mrs. Rhoda Evans as teacher.—Miss Myrtle Mason and Miss Lella Owens made a flying trip to Wildie, Saturday, between trains.—Mrs. Jennie Adams of Mt. Vernon visited home folks here, Friday.—Miss Carrie Robinson was in Orlando, Saturday, shopping.—Miss Mary Slocum of White Oak, is staying with Mrs. M. T. Singleton.—Corn gathering is all the go in this community. Corn is plentiful and is selling for 50 cents per bushel.—Tuesday is election day and people are wishing for the day to pass off quietly.—Wm. Anglin was the welcome guest of Miss Mary Slocum in the afternoon, Sunday.

DISPUTANTA

Disputanta, Oct. 26.—Bro. Childers failed to fill his regular appointment at Macedonia, today.—There was a special election called in Rockcastle County, Oct. 26, to vote on issuing bonds to the amount of \$100,000 for the purpose of building pikes in the County.—Sherman Chastain is having his house newly covered.—Sherman Swinford has purchased a farm from R. A. Swinford, on which he intends to build some time in the near future.—Next Saturday and Sunday are regular meeting days at Clear Creek.—Hurrah for the Lumberjost Girl.

CLAY COUNTY

VINE

Vine, Oct. 25.—Wilson Browning of Lee County is visiting friends and relatives here.—J. M. Wilson went to Louisville last week to get a new supply of goods.—Mary Rice and Nannie Bowman spent Sunday evening with Mrs. Julia Pennington.—John Browning moved to this neighborhood last Tuesday.—C. C. Clark has moved to the Eli Estridge house.—Singing school will begin today at the Silver Mine school house with Felix and Matt Pennington as teachers. Everybody is invited.—Harve Price of Owsley County, and Miss Cora Chestnut were married at the bride's home last Friday evening.—Frank Hicks and family are moving to their new home on Goose Creek.—Everybody was surprised to hear of the death of Bob Chestnut. He died last Thursday night and his remains were laid to rest in the Chestnut grave yard.

East Kentucky Correspondence News You Get Nowhere Else

No correspondence published unless signed in full by the writer. The name is not for publication, but as an evidence of good faith. Write plainly.

JACKSON COUNTY

PEOPLE'S EDUCATIONAL ASSOCIATION

Kerby Knob, Oct. 21, 1912.
Editor Citizen,
Berea, Ky.

The number of people who gathered at Durham's Ridge last Saturday, the general behavior of the crowd, the fine community spirit shown and the abundant dinner that was served all bear evidence of the interest in education that the people of that community have. A campaign for better things has been carried on in the community and the people are responding. In fact it is the people's fight and they are going to win. Many remarked about the good results of the day's gathering.

A good program of songs and recitations, speeches, flag drills and general discussions had been prepared and many interesting things were heard and seen. I was glad to take part in the program and contribute what I could to the meeting.

"It is not a teachers' association, but the people's educational association," said Supt. Davis, and, judging from the interest manifested by the fathers, mothers and others present, he spoke the truth. It was in truth a people's meeting, such as I hope to see in every community in the

Kentucky mountains during the next few years. There was a time when such a meeting as this could not have been held so successfully in this part of Jackson County, but that was some yesterday's ago, before the present educational forces had aroused a new spirit among these hills.

Much of the success of that meeting was due to the presence of Miss Martha Durham in the Durham Ridge school. When the interior of her school room is seen, when the orderly atmosphere in and about the building is observed, when the interest and skill shown in her work and the interest manifested by her pupils is noticed it is not a difficult matter to explain how such a successful educational meeting can be held in the community.

The newer education for Jackson County will mean a teacher with the spirit and skill of Martha Durham in every school and an educational gathering like this at least once a year in every community.

John F. Smith.

ANNOUNCEMENT

It is now no unusual thing for women to serve as County Superintendents, and in other high educational positions. A number of counties of this state have secured notable service from their women superintend-